

Weather-Rite™ NP

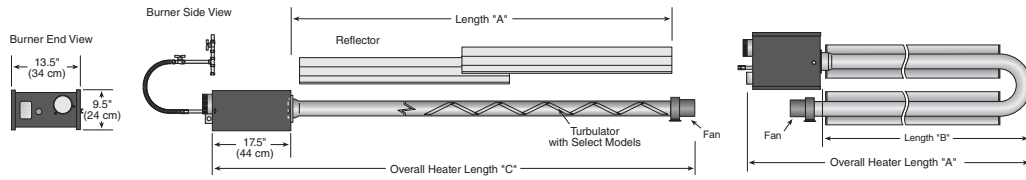
Negative Pressure Unitary Heaters



- Provide design flexibility with straight, U-tube or L configurations and a broad range of burner sizes and tube lengths
- Vacuum design with uniform tube temperature provides even heat distribution
- Minimal heat exposure to valuable electrical components provided by burner box design with protective enclosure for controls
- Longer life provided by durable components
- Heats effectively at high mounting heights and in high heat loss environments

**CUT ENERGY
BILLS BY UP TO
50%**
with
WEATHER-RITE
www.weather-rite.com





WEATHER-RITE NP

Model		CTHN-40	CTHN-60	CTHN-80	CTHN-100	CTHN-125	CTHN-150	CTHN-175	CTHN-200
Minimum Length of Straight Tube*	[ft] A	10	20	20	30	40	40	50	50
Minimum Length of U-Tube*	[ft, in] B	11,6	11,6	11,6	16,6	21,6	21,6	26,6	26,6
Overall Minimum Length of Straight Tube*	[ft, in] C	12,3	22,3	22,3	32,3	42,3	42,3	52,5	52,5
Overall Minimum Length of U-Tube*	[ft, in] D	13,2	13,2	13,2	18,2	23,2	23,2	28,2	28,2
*For additional lengths, please see the current Installation, Operation and Service Manual.									
Input (Btu/h) x (1000)		40	60	80	100	125	150	175	200
Inlet Pressure	[in wc] NG min.	4.6	4.6	4.6	4.6	4.6	4.6	5	5
	LPG Propane min.	11	11	11	11	11	11	11	11
	NG & LPG Propane max.	14	14	14	14	14	14	14	14
Gas Connection	NPT	½"	½"	½"	½"	½"	¾"	¾"	¾"
Weights									
Overall Length of Tube and Accessory Packages	[ft]	10	20	30	40	50	60	70	80
Hot Rolled or Aluminized Tube with Aluminum Reflector	[lb]	52	86	120	161	206	240	281	322
Aluminized Tube with Stainless Steel Reflector	[lb]	66	113	152	208	265	304	360	416
Burner	[lb]	35							
Aluminized U-Tube with Aluminum End Caps	[lb]	19							
Aluminized U-Tube with Stainless Steel End Caps	[lb]	20							
Fuel		NG or LPG Propane							
Electrical Supply		120 V, 60 Hz, 1 A for 40 - 150; 120 V, 60 Hz, 2 A for 175 & 200							
Heat Exchanger Tubing		10 ft Sections, 4" dia, 16 Gauge, First 10 ft ALUMI-THERM® Steel Tubing [Remaining Hot Rolled, Heat Treated Aluminized or Double Porcelain Coated Steel Tubing]							
Exhaust Flue	dia	4", See Installation, Operation and Service Manual for details.							
Reflector and End Caps		.024 Aluminum [Optional - .024 Stainless Steel Type 304]							
Control System		Fully Automatic, Three-Try, Direct Spark, 100% Shut-Off, Electronic Ignition Control							
Approved As		Indoor (Vented or Unvented)							
Certification		ANSI Z83.20/CSA 2.34, 2.17							
Warranty		Three-Year Limited (Refer to Installation, Operation and Service Manual for Details)							

Clearances to Combustibles ***[in]

Model		CTHN-40	CTHN-60	CTHN-80	CTHN-100	CTHN-125	CTHN-150	CTHN-175	CTHN-200
Horizontal	45°	Horiz. 45°	Horiz. 45°	Horiz. 45°	Horiz. 45°	Horiz. 45°	Horiz. 45°	Horiz. 45°	Horiz. 45°
	A	5 8	5 8	5 9	5 10	5 10	5 10	8 10	8 10
	B	20 4	27 4	30 4	32 4	35 4	39 4	44 4	47 4
	C	41 35	51 45	58 54	60 57	65 63	71 66	74 69	76 73
	D	20 43	27 45	30 55	32 56	35 58	39 61	44 68	47 71

***Clearances B, C and D can be reduced by 50% for locations 25 ft (7 m) or more downstream of the burner. For other mounting options and associated clearances, complete installation, operation and service criteria, please see the current issue of the Installation, Operation and Service Manual.

Installation Code and Annual Inspections:

All installations and service of WEATHER-RITE™ products must be performed by a contractor qualified in the installation and service of products sold and supplied by Weather-Rite LLC and conform to all requirements set forth in the WEATHER-RITE™ manuals and all applicable governmental authorities pertaining to the installation, service and operation of the equipment. To help facilitate optimum performance and safety, Weather-Rite LLC recommends that a qualified contractor annually inspect your WEATHER-RITE™ products and perform service where necessary, using only replacement parts sold and supplied by Weather-Rite LLC.

Further Information: Applications, engineering and detailed guidance on system design, installation and product performance is available through WEATHER-RITE™ representatives. Please contact us for any further information you may require, including the Installation, Operation and Service Manual.

This product is not for residential use.

This document is intended to assist licensed professionals in the exercise of their professional judgement.

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